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22 January 1963

MEMORANDUM FOR THE RECORD

SUBJECT : Briefing By [] On Status Of
Aero Medical Support and Personal Equipment

1. The following people were in attendance:

[]

2. [] reviewed the evacuation plan which will be put into effect in case of serious injury to contractor or Air Force personnel. The over-all medical treatment available at [] was discussed. [] accompanied [] on a recent tour of [] Nellis AFB installations, and assured [] of continued cooperation and support of the USAF Surgeon Generals office.

3. Problems in the personal equipment area which are being worked in include the following:

A. Oxygen Consumption

Studies have been undertaken at the Firewel Company to determine oxygen consumption as a result of exercise in an effort to account for the increased consumption rates being experienced by the pilots while flying vs. their altitude chamber runs. One possible explanation might be in the fact that we have switched from soft seated valves to hard seated valves. A double face seal may ultimately be necessary to solve this problem.

B. Suit Mounted Altimeter

A decision to authorize this item is being held up pending further investigation.

C. Heated Visor vs. Reflection

One watt per square centimeter is required to keep the

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visor clear at extremely cold temperatures. Our present gold coating of the visor only gives .07 watt per square centimeter. If additional gold coating is applied the reflection problem is greatly increased. The David Clark Company is investigating several different approaches to this problem.

D. Personal Equipment Van

If another van is ordered the possibility of ordering two small vans that could be attached should be investigated. This would enhance expeditious moving of the vans. The present van requires a C-130 aircraft for airlift.

E. Ejection Seat System

It is understood that if the primary ejection seat system fails to function properly the pilot has no alternate system of escape other than over the side after manually removing the canopy. will follow up on this.

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Captain USAF

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